

REMARKS

By this Amendment, Applicants have amended claims 1, 3, 7, 16 and 17, and have added new claims 27-44. Claims 1-44 are pending.

Claim Rejections Under 35 U.S.C. § 102

Claims 1-3, 7, 11, and 15 stand rejected under 35 U.S.C. § 102(b) as being anticipated by Yamagishi. Applicants respectfully traverse this Section 102(b) rejection.

Claims 1, 3, 7, 15 and 16 are independent claims. Claim 2 is dependent on claim 1; claims 4-6 are dependent on claim 3; claims 8-14 are dependent on claim 7; claims 18, 21 and 24 are dependent on claim 15; and claims 17, 19, 20, 22, 23, 25 and 26 are dependent on claim 16.

Turning first to independent claim 1, it is directed to a data processing apparatus for processing data based on a received result of wireless-communication with an image display apparatus for receiving a user's input. The data processing apparatus of claim 1 includes the following elements:

- a CPU,
- a memory, and
- a wireless unit,
- wherein a user's input entered in the image display apparatus is received through the wireless unit, and
- **image data of an image to be displayed by the image display apparatus is generated in the data processing apparatus** as a result of data processing based on the received result, and is transmitted to the image display apparatus through the wireless unit.

Applicants submit that the data processing apparatus of claim 1 is patentably distinguished from the Yamagishi Patent at least based on the

requirement that image data of an image to be displayed by the image display apparatus is generated in the data processing apparatus (hereinafter generally referred to as the "Image Data Feature" of Applicants' claimed invention). This Image Data Feature is in comparison with a conventional data processing apparatus in which only a drawing command is sent to the image display apparatus from the data processing apparatus. The Yamagishi Patent operates in a similar fashion as a conventional data processing apparatus.

The Yamagishi Patent shows an image processing system at Figure 1 and an image formation apparatus 136 at Figure 2. The image process system of Figure 1 has a wireless database 112, an image formation apparatus 130, and a computer 140. According to the Yamagishi Patent, the computer 140 only sends image formation command data to the image formation apparatus 130. The image formation apparatus develops the image from the formation command data. This operation is like that of a conventional data processing apparatus. It is unlike Applicants' claimed invention wherein the image data of an image to be displayed by the image display apparatus is actually generated in the data processing apparatus. In other words, Applicants' claimed invention includes the Image Data Feature which is neither taught nor suggested in the Yamagishi Patent.

On the basis of the Image Data Feature claim 1 and dependent claim 2 are patentably distinguished from the Yamagishi Patent.

It is Applicants' further position that independent claims 3 and 7, as well as the claims dependent thereon, in a similar manner include the Image Data Feature in their recitation of "image data". Thus, for the same reasons as claim 1 is patentably distinguished from the Yamagishi Patent, independent claims 3 and 7 and the claims dependent thereon are likewise patentably distinguished from the Yamagishi Patent.

Dependent claim 2 calls for the "the image data transmitted from said wireless unit is a differential portion only". (Emphasis added). The Office Action at page 2 states that "Yamagishi can actually transmit image data from the wireless unit in a differential portion". But nowhere in the Office Action or in the Yamagishi Patent is there any teaching or suggestion of this "Differential Portion Feature" of

Applicants' claim 2. The Office Action stating that the Yamagishi Patent "can actually transmit image data ... in a differential portion" is simply no grounds or basis of rejecting a claim under Section 102. Actual teaching in a reference must be shown in order to reject a claim under Section 102. That has not been done with respect to claim 2. Therefore, the rejection of claim 2 is improper, and claim 2 is further distinguished from the Yamagishi Patent based on the Differential Portion Feature.

Applicants also note that claim 11 includes the Differential Portion Feature and is likewise patentably distinguished from Yamagishi Patent.

Independent claim 15 is directed to an image display apparatus for wireless-communicating with a data processing apparatus generating image data and wireless transmitting the image data, and for displaying the image data received from the data processing apparatus. Among the elements defined by the image display apparatus of claim 15 are the following:

- **storage means** for storing the image data,
- **image storage control** means for storing, in the storage means, the image data displayed in the display means according to an image storing instruction received in the input means, and
- **image display control means for displaying** in the display means, **the image data stored in the storage means** according to an image display instruction received in the input means.

It is Applicants' contention that the storage means, image storage control means, and image display control means as defined in Applicants' claim 15 concern the storage of image data which is neither taught nor suggested in the Yamagishi Patent. This feature is generally referred to as the "Storage Feature" of Applicants' claimed invention.

As the Office Action points out, the Yamagishi Patent states that "A first storage unit 302 [Figure 3] acts as a working memory when the controller unit 301 operates and can be accessed from the control unit 301 at high speed". See

column 7, lines 10-12 of the Yamagishi Patent. But the Yamagishi Patent does not disclose or suggest any actual process the control unit 301 performs with the first storage unit 302, or for that matter any other storage unit of Yamagishi. That is to say, the Yamagishi Patent simply does not teach or suggest that this first storage unit 302 stores image data.

In contrast, Applicants' claim 15 specifically has a storage means for storing image data and image storing control means and image display control means relating to such stored image data. This Storage Feature of claim 15 is simply neither taught nor suggested in the Yamagishi Patent. It is therefore Applicants' contention that claim 15, as well as dependent claims 18, 21 and 24 are patentably distinguished from the Yamagishi Patent based on the Storage Feature.

Applicants further point out that the Storage Feature is also found with respect to independent claim 16, as well as dependent claims 17, 19, 20, 22, 23, 25 and 26.

Based on the foregoing remarks, Applicants respectfully request that the Section 102(b) rejection be withdrawn.

Claim Rejections Under 35 U.S.C. § 103

Claims 4-6, 8-10, 12-14, 16, and 17-20 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Yamagishi. Applicants respectfully traverse this Section 103(a) rejection.

Applicants submit that the claims rejected under Section 103 include either the Image Data Feature, Differential Portion Feature, and/or the Storage Feature of Applicants' claimed invention. On the basis of these features, the claims rejected under Section 103 are patentably distinguished from the Yamagishi Patent.

Applicants further note that claim 16, as well as the claims dependent thereon, are patentably distinguished from the Yamagishi Patent on other grounds. Claim 16 is directed to an image display apparatus for wireless-communicating with a data processing apparatus generating an image data and wireless-transmitting the data, and for displaying the image data received from the data processing

apparatus. The image display apparatus of claim 15 includes among its elements the following:

- **image update detecting means for detecting and updating the image data displayed in the display means, and**
- **updated image storage control means for additionally storing, in the storage means, the image data displayed by the display means in the storage means in response to detecting the updating of the image data by the image update detecting means.**

It is Applicants' position that the image display apparatus of claim 16 is also patentably distinguished from the Yamagishi Patent based on the requirement of the image update detecting means and the updated image storage control means (hereinafter generally referred to as the "Update Feature" of Applicants' claimed invention).

The Office Action states at numbered paragraph 4 (page 4) that "Yamagishi does not teach an update image storage control". But the Office Action goes on to state that "it would have been obvious to one of ordinary skill in the art to utilize an update image control as claimed because it would provide the ability to generate high quality updated display for the user". Applicants respectfully submit that this is no basis for rejecting a claim under Section 103, since it provides no concrete basis for a rejection. The statement quoted in the Office Action is nothing more than speculation without any support. The Office Action does not point to any passage in the Yamagishi Patent or cite any other reference in support of its conclusory statement. There is simply nothing obvious in the Yamagishi Patent which would lead one skilled in the art to achieve the image display apparatus, image update detecting means and/or update image storage control means as defined in Applicants' claim 16. The Office Action simply does not provide any proper basis for rejecting claim 16 and claims dependent thereon. The statement in the Office Action at page 4 with respect to "update" is pure speculation and not the proper basis for a Section 103 rejection.

For the reasons set forth above, Applicants respectfully submit that the Section 103(a) rejection should be withdrawn.

Allowable Subject Matter

Applicants acknowledge with appreciation the Examiner's finding that claims 21-26 include allowable subject matter and would be allowed if rewritten in independent form. Applicants submit, however, that dependent claims 21-26 are dependent on claims which are themselves in condition for allowance and therefore there is no need to amend claims 21-26 in independent form.

Newly Added Claims

By this Amendment, Applicants have added new claims 27-44. Claims 27-29, 32, 33, 36, 38 and 41 are independent claims. Claim 28 is dependent on claim 27; claims 30 and 31 are dependent on claim 29; claims 34 and 35 are dependent on claim 33; claim 37 is dependent on claim 36; claims 39 and 40 are dependent on claim 38; and claims 42-44 are dependent on claim 41.

It is Applicants' contention that new claims 27-44 do not include new subject matter but are based on the application as originally filed. Applicants further submit that new claims 27-44 include one or more of the features noted above which patentably distinguished them from the Yamagishi Patent. In addition, certain of the new claims include features found allowable in claims 21-26.

Claims 27 and 28 include the feature found allowable in claim 21, and claims 29-31 include the feature found allowable in claim 22.

Independent claim 32 includes the Image Data Feature and the Differential Portion Feature and is patentably distinguished from the Yamagishi Patent at least on that basis.

Claims 33-35 include the Image Data Feature and the Differential Portion Feature which patentably distinguished these claims from the Yamagishi Patent.

Claims 36-44 include the Image Data Feature and also include the Update Feature as noted above. On the basis of these features alone, claims 36-44 are patentably distinguished from the Yamagishi Patent.

In view of the foregoing remarks and amendments, Applicants respectfully submit that claims 1-44 are in condition for allowance. Reconsideration and allowance of all pending claims are respectfully requested.

Respectfully Submitted,

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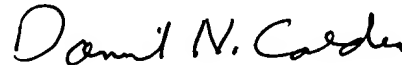
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VERSION WITH MARKINGS TO SHOW CHANGES MADE**IN THE CLAIMS:**

Claims 27-44 have been newly added.

1 1. (Amended) A data processing apparatus for processing data based
2 on a received result of wireless-communication with an image display apparatus for
3 receiving a user's input, comprising:

4 a CPU;

5 a memory; and

6 a wireless unit,

7 wherein a user's input entered in said image display apparatus is
8 received through said wireless unit, and

9 image data of an image to be displayed by said image display
10 apparatus is generated in said data processing apparatus as a result of data
11 processing based on the received result, and is transmitted to said image display
12 apparatus through said wireless unit.

1 3. (Amended) An image display apparatus for wireless-communicating
2 with a data processing apparatus generating image data and wireless-transmitting
3 the image data, and for displaying the image data received from said data
4 processing apparatus, comprising:

5 a wireless unit;

6 a display unit; and

7 an input unit,

8 wherein a user's input manipulation result in said input unit is
9 transmitted to said data processing apparatus by said wireless unit, and

10 the image data of an image to be displayed by said display unit as a
11 result of information processing in said data processing apparatus based on the
12 input manipulation result is received in said wireless unit, and displayed in said
13 display unit.

1 7. (Amended) An information processing system comprising:

2 an image display apparatus including a first wireless unit, a display unit,
3 and an input unit, and

4 a data processing apparatus including a CPU, a memory, and a second
5 wireless unit,

6 wherein a user's input manipulation result, in said input unit of said
7 image display apparatus, is transmitted to said data processing apparatus by said
8 first wireless unit,

9 said data processing apparatus transmits image data of an image to be
10 displayed by said display unit of said image display apparatus as a result of
11 information processing based on a received content at said second wireless unit to
12 said image display apparatus through said second wireless unit, and

13 said image display apparatus displays the image data received at said
14 first wireless unit in said display unit.

1 16. (Amended) An image display apparatus for wireless-communicating
2 with a data processing apparatus generating an image data and wireless-
3 transmitting the data, and for displaying the image data received from said data
4 processing apparatus, comprising:

5 wireless communication means;

6 display means for displaying the image data received in said wireless
7 communication means;

8 storage means for storing the image data;

9 image update detecting means for detecting an updating of the image
10 data displayed in said display means;

11 updated image storage control means for additionally storing, in said
12 storage means, the image data displayed ~~in~~ by said display means in said storage
13 means in response to detecting the updating of the image data by said image
14 update detecting means;

15 input means for receiving a user's instruction; and

16 image display control means for displaying, in said display means, the
17 image data stored in said storage means according to an image display instruction
18 received in said input means.

1 17. (Amended) The image display apparatus of claim 16, wherein said
2 image update detecting means detects the updating of the image data when an
3 amount ~~size~~ of the image data updated within a specified time is larger than a
4 ~~predetermined-size~~ amount.